

ABSTRACT

A radio transmitter/ receiver and an intermittent transmission/ reception control method thereof, capable of reducing the reception startup time as well as suppressing reception power consumption. A radio transmitter/ receiver used for ad hoc communication is provided with a dedicated standby reception unit (10) having a simple combination of an RF demodulator (6) and a SAW oscillator (7) only to detect a carrier. For a time period of several bits, the activation system of the radio transmitter/ receiver intermittently receives activation selection signals transmitted using ASK (or OOK) modulation prior to a preamble signal, and makes an activation selection based on the pattern of presence and absence of the carriers of the signals. As a result, the reception startup time can be shortened, and less reception power is required.